



70-413

MCSE Server Infrastructure

A Success Guide to Prepare-
Microsoft Designing and Implementing a Server Infrastructure

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Introduction to 70-413 Exam on Designing and Implementing a Server Infrastructure

Use this quick start guide to collect all the information about Microsoft Designing and Implementing a Server Infrastructure (70-413) Certification exam. This study guide provides a list of objectives and resources that will help you prepare for items on the 70-413 Designing and Implementing a Server Infrastructure exam. The Sample Questions will help you identify the type and difficulty level of the questions and the Practice Exams will make you familiar with the format and environment of an exam. You should refer this guide carefully before attempting your actual Microsoft MCSE Server Infrastructure certification exam.

The Microsoft Designing and Implementing a Server Infrastructure certification is mainly targeted to those candidates who want to build their career in Windows Server domain. The Microsoft Certified Solutions Expert (MCSE) - Server Infrastructure exam verifies that the candidate possesses the fundamental knowledge and proven skills in the area of Microsoft MCSE Server Infrastructure.

Microsoft 70-413 Certification Details:

Exam Name	Microsoft Certified Solutions Expert (MCSE) - Server Infrastructure
Exam Code	70-413
Exam Price	\$165 (USD)
Duration	120 min
Number of Questions	45-55
Passing Score	700 / 1000
Books / Training	20413C
Schedule Exam	Pearson VUE
Sample Questions	Microsoft Designing and Implementing a Server Infrastructure Sample Questions
Practice Exam	Microsoft 70-413 Certification Practice Exam

Microsoft 70-413 Exam Syllabus:

Topic	Details	Weights
Plan and deploy a server infrastructure	<p>Design and plan an automated server installation strategy</p> <ul style="list-style-type: none"> - Design considerations including images and bare metal/virtual deployment; design a server implementation using Windows Assessment and Deployment Kit (ADK); design a virtual server deployment - Plan for deploying servers to Microsoft Azure infrastructure as a service (IaaS); plan for deploying servers to public and private cloud by using AppController and Windows PowerShell; plan for multicast deployment; plan for Windows Deployment Services (WDS) <p>Implement a server deployment infrastructure</p> <ul style="list-style-type: none"> - Configure multi-site topology and transport servers; implement a multi-server topology, including stand-alone and Active Directory-integrated Windows Deployment Services (WDS) servers; deploy servers to Microsoft Azure IaaS; deploy servers to public and private cloud by using AppController and Windows PowerShell <p>Plan and implement server upgrade and migration</p> <ul style="list-style-type: none"> - Plan for role migration; migrate server roles; migrate servers across domains and forests; design a server consolidation strategy; plan for capacity and resource optimisation <p>Plan and deploy Virtual Machine Manager services</p> <ul style="list-style-type: none"> - Design Virtual Machine Manager service templates; plan and deploy profiles, operating system profiles, hardware and capability profiles, application profiles and SQL profiles; plan and manage services including scaling out, updating and servicing services; configure Virtual Machine Manager libraries; plan and deploy services to non-trusted domains and workgroups <p>Plan and implement file and storage services</p> <ul style="list-style-type: none"> - Planning considerations include iSCSI SANs, Fibre Channel SANs, Virtual Fibre Channel, storage spaces, storage pools including tiered 	20-25%

Topic	Details	Weights
	storage and data de-duplication; configure the Internet Storage Name server (iSNS); configure Services for Network File System (NFS); plan and implement SMB 3.0 based storage; plan for Windows Offloaded Data Transfer (ODX)	
Design and implement network infrastructure services	<p>Design and maintain a Dynamic Host Configuration Protocol (DHCP) solution</p> <ul style="list-style-type: none"> - Design considerations including a highly available DHCP solution including split scope, DHCP failover and DHCP failover clustering, DHCP interoperability, and DHCPv6; implement DHCP filtering; implement and configure a DHCP management pack; maintain a DHCP database <p>Design a name resolution solution strategy</p> <ul style="list-style-type: none"> - Design considerations including Active Directory integrated zones, DNSSEC, DNS Socket Pool, cache locking, disjoint namespaces, DNS interoperability, migration to application partitions, IPv6, Single-Label DNS Name Resolution, zone hierarchy and zone delegation <p>Design and manage an IP address management solution</p> <ul style="list-style-type: none"> - Design considerations including IP address management technologies including IPAM, Group Policy based, manual provisioning and distributed, centralised, hybrid placement and database storage; configure role-based access control; configure IPAM auditing; migrate IPs; manage and monitor multiple DHCP and DNS servers; configure data collection for IPAM; integrate IPAM with Virtual Machine Manager (VMM) 	20-25%

Topic	Details	Weights
Design and implement network access services	<p>Design a VPN solution - Design considerations including certificate deployment, firewall configuration, client/site to site, bandwidth, protocol implications, connectivity to Microsoft Azure IaaS and VPN deployment configurations using Connection Manager Administration Kit (CMAK)</p> <p>Design a DirectAccess solution - Design considerations including deployment topology, migration from Forefront UAG, One Time Password (OTP), and use of certificates issued by enterprise Certificate Authority (CA)</p> <p>Design a Web Application Proxy solution - Design considerations including planning for applications, authentication and authorisation, Workplace Join, devices, multifactor authentication, multifactor access control, single sign-on (SSO), certificates, planning access for internal and external clients</p> <p>Implement a scalable remote access solution - Configure site-to-site VPN; configure packet filters; implement packet tracing; implement multi-site Remote Access; configure Remote Access clustered with Network Load Balancing (NLB); implement an advanced DirectAccess solution, configure multiple RADIUS server groups and infrastructure, configure Web Application Proxy for clustering</p> <p>Design and implement network protection solution - Design considerations including Network Access Protection (NAP) enforcement methods for DHCP, IPsec, VPN, and 802.1x, capacity, placement of servers, firewall, Network Policy Server (NPS) and remediation network, configure NAP enforcement for IPsec and 802.1x, monitor for compliance</p>	15-20%

Topic	Details	Weights
Design and implement an Active Directory infrastructure (logical)	<p>Design a forest and domain infrastructure - Design considerations including multi-forest architecture, trusts, functional levels, domain upgrade, domain migration, forest restructure, Microsoft Azure Active Directory and DirSync</p> <p>Implement a forest and domain infrastructure - Configure domain rename; configure Kerberos realm trusts; implement a domain upgrade; implement a domain migration; implement a forest restructure; deploy and manage a test forest including synchronisation with production forests</p> <p>Design a Group Policy strategy - Design considerations including inheritance blocking, enforced policies, loopback processing, security and WMI filtering, site-linked Group Policy Objects (GPOs), slow-link processing, group strategies, organisational unit (OU) hierarchy, and Advanced Group Policy Management (AGPM), and Group Policy caching</p> <p>Design an Active Directory permission model - Design considerations including Active Directory object security and Active Directory quotas; customise tasks to delegate in Delegate of Control Wizard; deploy administrative tools on the client devices; delegate permissions on administrative users (AdminSDHolder); plan for Kerberos delegation</p>	20-25%
Design and implement an Active Directory infrastructure (physical)	<p>Design an Active Directory sites topology - Design considerations including proximity of domain controllers, replication optimisation and site link; monitor and resolve Active Directory replication conflicts</p> <p>Design a domain controller strategy - Design considerations including global catalogue, operations master roles, Read-Only Domain Controllers (RODCs), partial attribute set, and domain controller cloning and domain controller placement</p> <p>Design and implement a branch office infrastructure - Design considerations including RODC,</p>	20-25%

Topic	Details	Weights
	Universal Group Membership Caching (UGMC), global catalogue, DNS, DHCP and BranchCache; implement confidential attributes; delegate administration; modify filtered attributes set; configure password replication policy; configure hash publication	

70-413 Sample Questions:

01. Which GPO would receive precedence and be applied to computers in an OU with blocked inheritance?

- a) GPO applied to domain level
- b) GPO applied to OU
- c) Enforced GPO applied to domain level
- d) Enforced GPO applied to OU

02. Why would you need to create or manage a Kerberos delegation?

- a) To provide administrative privileges to a user in Active Directory
- b) To give access to a Kerberos realm trust
- c) To enable a service to perform authentication on behalf of a user
- d) To authenticate users from UNIX systems

03. How can you ensure that a specific configuration is applied to a computer, regardless of the current user?

- a) Enforced policies
- b) Loopback processing
- c) WMI filtering
- d) Security filtering

04. Which of the following is a newly supported method of authentication for DirectAccess in Windows Server 2012?

- a) OTP
- b) Smart card
- c) User name and password
- d) Virtual smart card

05. What domain controller capability can improve cross-domain authentication?

- a) RODC
- b) Domain naming master
- c) Global catalog server
- d) Infrastructure master

06. What method enables you to define the PRP and delegated administration for an RODC prior to deployment?

- a) Group Policy
- b) Precreating the RODC account
- c) Install-ADDSDomainController PowerShell cmdlet
- d) Local security policy

07. Which option enables you to ensure that a GPO is applied to lower levels of the domain hierarchy?

- a) Inheritance blocking
- b) Enforced policies
- c) Security filtering
- d) WMI filtering

08. Operating system profiles allow you to specify what parts of an installation?

- a) Administrator name and password
- b) Boot partition size
- c) Custom drivers
- d) System components such as number of virtual CPUs and amount of memory

09. Which security options are available for NFS volumes?

- a) Kerberos
- b) Active Directory
- c) Clear text
- d) SHA1 hash

10. What tool on your network facilitates the IPAM provisioning process?

- a) Group Policy
- b) DHCP configuration options
- c) Windows PowerShell
- d) Microsoft System Center 2012

Answers to 70-413 Exam Questions:

Question: 01 Answer: c	Question: 02 Answer: c	Question: 03 Answer: b	Question: 04 Answer: a, d	Question: 05 Answer: c
Question: 06 Answer: b	Question: 07 Answer: b	Question: 08 Answer: a	Question: 09 Answer: a, b	Question: 10 Answer: a

Note: If you find any typo or data entry error in these sample questions, we request you to update us by commenting on this page or write an email on feedback@edusum.com